

DMSA C-331-19
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 251

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 3/21/03; 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Southeast section of the C-331 process building between columns BB 30-32/CC 30-32

APPROXIMATE DIMENSION OR CAPACITY: 800 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: Most of the storage areas in C-331 were created during the Rad Area Reduction Project conducted from 1993 to 1995. The objective of this project was to consolidate excess material and equipment scattered throughout the building to provide additional nonradiological floor space. In 1996, this area was deleased by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA). From September 2002 to January 2006, DOE characterized the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, which was incorporated as Appendix E of the 2003 Agreed Order. A satellite accumulation area (SAA) was established on January 23, 2003, and closed on June 11, 2003.

The Final Inventory and Characterization Report (FI/CR) was submitted February 2006 to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on October 12, 2006. Resource Conservation and Recovery Act (RCRA) closure was not required for this SWMU, since no hazardous wastes were stored in this unit, per the 2003 Agreed Order.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1993 to 2006

PRESENT SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the southeast section of the C-331 process building.

WASTE DESCRIPTION: The SWMU currently is empty. Newly generated RCRA hazardous waste included capacitors and fuses. The low-level waste formerly stored included an auto transfer switch cabinet, two cell trip vibration panels, and a piece of insulation. Toxic Substances Control Act waste included capacitors removed from the equipment and three hydraulic cylinder rams. Circuit boards were handled as recyclable material. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 112 ft³

SUMMARY OF ENVIRONMENTAL SAMPLING DATA: No sampling of environmental media has occurred.

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: None known

GROUNDWATER:	None known
SURFACE WATER:	None known
SOIL:	None known
ECOLOGY AFFECTED (i.e., threatened/endangered species):	None known

DOCUMENTATION OF NO RELEASE: No documents were identified indicating a spill or release at this unit.

IMPACT ON OR BY OTHER SWMU/AOC: There is no evidence that this SWMU impacts or is being impacted by other SWMUs.

PRG COMPARISON: N/A

RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this DMSA. This unit is being proposed for no further action since it no longer is active, has no evidence of releases to the environment, and is not believed to pose a risk to human health or the environment.

OPERABLE UNIT ASSIGNMENT: N/A

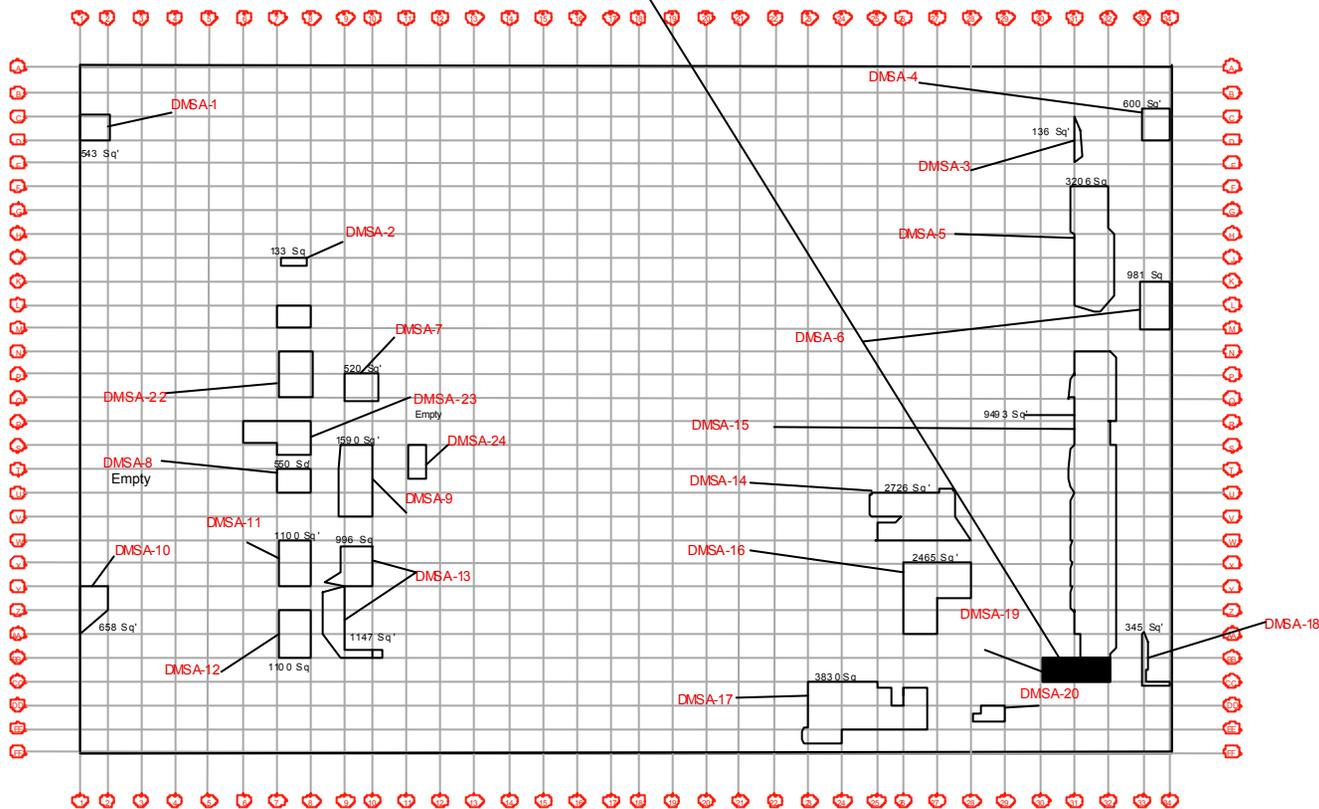


SWMU 251
DMSA C-331-19
View Looking East
February 4, 2005

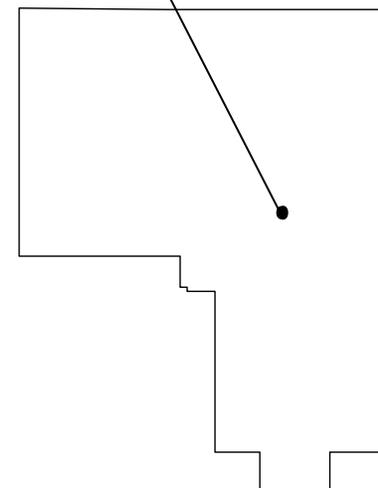


SWMU 251
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View Looking Northeast
February 4, 2005

SWMU 251



SWMU 251



Paducah Gaseous Diffusion Plant

LEGEND

 OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-331 Ground Floor - SWMU 251

U.S. DEPARTMENT OF ENERGY
DOE PORTSMOUTH/PADUCAH PROJECT OFFICE
PADUCAH GASEOUS DIFFUSION PLANT



Figure No. C-331-19-251
Date 03-13-08